

OIPE

#2

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/840,085

DATE: 05/07/2001  
 TIME: 17:51:39

Input Set : A:\Yu5099us.app  
 Output Set: N:\CRF3\05072001\I840085.raw

ENTERED  
 see p.5

3 <110> APPLICANT: Schepartz Shrader, Alanna  
 4 Chin, Jason W. K.  
 5 Zutshi, Reena  
 6 Rutledge, Stacey E.  
 7 Kehlbeck Martin, Joanne D.  
 8 Zondlo, Neal J.  
 10 <120> TITLE OF INVENTION: DNA and Protein Binding Miniature Proteins  
 12 <130> FILE REFERENCE: 44574-5099-US  
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/840,085  
 C--> 15 <141> CURRENT FILING DATE: 2001-04-24  
 17 <150> PRIOR APPLICATION NUMBER: US 60/199,408  
 18 <151> PRIOR FILING DATE: 2000-04-24  
 20 <150> PRIOR APPLICATION NUMBER: US 60/240,566  
 21 <151> PRIOR FILING DATE: 2000-10-13  
 23 <150> PRIOR APPLICATION NUMBER: US PROVISIONAL  
 24 <151> PRIOR FILING DATE: 2001-01-13  
 W--> 26 <150> PRIOR APPLICATION NO: US PROVISIONAL  
 27 <151> PRIOR FILING DATE: 2001-02-23  
 29 <160> NUMBER OF SEQ ID NOS: 73  
 31 <170> SOFTWARE: PatentIn Ver. 2.1  
 33 <210> SEQ ID NO: 1  
 34 <211> LENGTH: 24  
 35 <212> TYPE: DNA  
 36 <213> ORGANISM: Artificial Sequence  
 38 <220> FEATURE:  
 39 <223> OTHER INFORMATION: Description of Artificial Sequence: Recognition  
 40 site of hSCRE24 protein  
 42 <400> SEQUENCE: 1  
 43 agtggagatg acagctactc gtgc 24  
 46 <210> SEQ ID NO: 2  
 47 <211> LENGTH: 24  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Artificial Sequence  
 51 <220> FEATURE:  
 52 <223> OTHER INFORMATION: Description of Artificial Sequence: Recognition  
 53 site of hSCBP24 protein  
 55 <400> SEQUENCE: 2  
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 59 <210> SEQ ID NO: 3  
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 61 <212> TYPE: DNA  
 62 <213> ORGANISM: Artificial Sequence  
 64 <220> FEATURE:  
 65 <223> OTHER INFORMATION: Description of Artificial Sequence: Recognition  
 66 site of CRE24 protein  
 68 <400> SEQUENCE: 3  
 69 agtggagatg acgtcatctc gtgc 24

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74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Description of Artificial Sequence: Recognition
79     site of CEBP24 protein
81 <400> SEQUENCE: 4
82 agtggagatt gcgcaatctc gtgc                                24
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 24
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Competitor
92     site in recognition studies
94 <400> SEQUENCE: 5
95 agtggagtaa ggcctatctc gtgc                                24
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 36
100 <212> TYPE: PRT
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: Segment of
105     avian pancreatic polypeptide
107 <400> SEQUENCE: 6
108 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
109   1           5           10           15
111 Leu Ile Arg Phe Tyr Asn Asp Leu Gln Tyr Leu Asn Val Val Thr
112   20           25           30
114 Arg His Arg Tyr
115   35
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 27
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: Segment of
125     GCN4 protein
127 <400> SEQUENCE: 7
128 Asp Pro Ala Ala Leu Lys Arg Ala Arg Asn Thr Glu Ala Ala Arg Arg
129   1           5           10           15
131 Ser Arg Ala Arg Lys Leu Gln Arg Met Lys Gln
132   20           25
135 <210> SEQ ID NO: 8
136 <211> LENGTH: 39
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:

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141 <223> OTHER INFORMATION: Description of Artificial Sequence: Pancreatic  
142 polypeptide basic region PPBR0  
144 <400> SEQUENCE: 8  
145 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp  
146 1 5 10 15  
148 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Tyr Leu Ser Val Val Arg  
149 20 25 30  
151 Lys Leu Gln Arg Met Lys Gln  
152 35  
155 <210> SEQ ID NO: 9  
156 <211> LENGTH: 39  
157 <212> TYPE: PRT  
158 <213> ORGANISM: Artificial Sequence  
160 <220> FEATURE:  
161 <223> OTHER INFORMATION: Description of Artificial Sequence: Pancreatic  
162 polypeptide basic region PPBR10  
164 <400> SEQUENCE: 9  
165 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp  
166 1 5 10 15  
168 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Tyr Leu Ser Arg Leu Arg  
169 20 25 30  
171 Lys Ala Ala Arg Ala Ala Ala  
172 35  
175 <210> SEQ ID NO: 10  
176 <211> LENGTH: 39  
177 <212> TYPE: PRT  
178 <213> ORGANISM: Artificial Sequence  
180 <220> FEATURE:  
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182 polypeptide basic region PPBR11  
184 <400> SEQUENCE: 10  
185 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp  
186 1 5 10 15  
188 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Leu Ser Arg Leu Arg  
189 20 25 30  
191 Lys Ala Ala Arg Ala Ala Ala  
192 35  
195 <210> SEQ ID NO: 11  
196 <211> LENGTH: 39  
197 <212> TYPE: PRT  
198 <213> ORGANISM: Artificial Sequence  
200 <220> FEATURE:  
201 <223> OTHER INFORMATION: Description of Artificial Sequence: Pancreatic  
202 polypeptide basic region PPBR2  
204 <400> SEQUENCE: 11  
205 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp  
206 1 5 10 15  
208 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Ala Arg  
209 20 25 30

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211 Lys Leu Gln Arg Met Lys Gln
212      35
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216 <211> LENGTH: 39
217 <212> TYPE: PRT
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Pancreatic
222      polypeptide basic region PPBR4
224 <400> SEQUENCE: 12
225 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
226   1             5             10             15
228 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Ala Arg
229   20             25             30
231 Lys Ala Ala Arg Ala Ala Ala
232      35
235 <210> SEQ ID NO: 13
236 <211> LENGTH: 27
237 <212> TYPE: PRT
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: G27
243 <400> SEQUENCE: 13
244 Asp Pro Ala Ala Leu Lys Arg Ala Arg Asn Thr Glu Ala Ala Arg Arg
245   1             5             10             15
247 Ser Arg Ala Arg Lys Leu Gln Arg Met Gln Cys
248   20             25
251 <210> SEQ ID NO: 14
252 <211> LENGTH: 39
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: Pancreatic
258      polypeptide basic region PPBR4-delta
260 <400> SEQUENCE: 14
261 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
262   1             5             10             15
264 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Leu Arg
265   20             25             30
267 Lys Ala Ala Arg Ala Ala Ala
268      35
271 <210> SEQ ID NO: 15
272 <211> LENGTH: 35
273 <212> TYPE: PRT
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence: Variant
278      pancreatic polypeptide basic region, Library A
280 <220> FEATURE:

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281 <221> NAME/KEY: VARIANT
282 <222> LOCATION: (1)..(7)
283 <223> OTHER INFORMATION: Xaa at positions 1, 4 and 7 = any amino acid.
285 <400> SEQUENCE: 15
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      287   1           5           10           15
289 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Ala Arg
290           20           25           30
292 Lys Ala Ala
293           35
296 <210> SEQ ID NO: 16
297 <211> LENGTH: 35
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence: Variant
303     pancreatic polypeptide basic region, Library B
305 <220> FEATURE:
306 <221> NAME/KEY: VARIANT
307 <222> LOCATION: (2)..(7)
308 <223> OTHER INFORMATION: Xaa at positions 2, 4, 5 and 7 can be any amino
309     acid.
311 <400> SEQUENCE: 16
W--> 312 Gly Xaa Ser Xaa Xaa Thr Xaa Pro Gly Asp Asp Ala Pro Val Glu Asp
      313   1           5           10           15
315 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Ala Arg
316           20           25           30
318 Lys Ala Ala
319           35
322 <210> SEQ ID NO: 17
323 <211> LENGTH: 35
324 <212> TYPE: PRT
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Description of Artificial Sequence: Variant
329     pancreatic polypeptide basic region, Lib. B, clone
330     007
332 <400> SEQUENCE: 17
333 Gly Gly Ser Arg Ala Thr Met Pro Gly Asp Asp Ala Pro Val Glu Asp
334   1           5           10           15
336 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Ala Arg
337           20           25           30
339 Lys Ala Ala
340           35
343 <210> SEQ ID NO: 18
344 <211> LENGTH: 35
345 <212> TYPE: PRT
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:

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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

## VERIFICATION SUMMARY

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Input Set : A:\Yu5099us.app

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L 14 M:270 C: Current Application Number differs, Replaced Application Number  
L 15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L 26 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER  
L 286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L 312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L 562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L 599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L 693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L 795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L 796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L.1231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69